

ABSTRACT OF THE DISCLOSURE

5 A circuit structure for performing current amplification. The circuit structure may
be standardized as a current amplifier cell such that many types of applications
requiring current amplification may be created. The basic amplifier cell, which
may accept voltage or current sources as an input signal, produces two identical
output signals which may be used for feedback or serve as input to additional
amplifier stages. This simple structure may be extended to perform current
10 amplification with variable gain or AC or DC voltage-to-current conversion
through the use of appropriately selected resistive elements.